

# **ICT**

## **Preparation book**

### **6<sup>th</sup> Prim**



**2024 - 2025**

# Teacher's Biography



Name: .....

School: .....

The educational administration:.....

Qualification: .....

Teaching Subject: .....

Comprehensive School: .....

The school to which he is delegated: .....

Date of appointment: .....

The job is on the staff: .....

Teacher Code: .....

Mobile Number: .....

Teacher

Supervisor

School Principal



# Daily Class Schedule

Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Teacher

Supervisor

School Principal



# The specific objectives of computer and information technology

- Providing students with the appropriate amount of scientific and basic knowledge and skills related to how to solve problems.
- Develop basic scientific thinking skills.
- Gain the ability to use technical means , multimedia, and networks and employ them as tools to serve and integrate with different fields of study
- Training students to work within a team by practicing computer techniques.
- Creates Websites and determines their characteristics.
- Developing students' awareness of the importance of technological awareness and cultural communication.
- Acquire concepts related to the principles of web page design.
- Appreciation of the role played by science and scientists.
- Recognize On the suite of Microsoft Office programs.
- Raising students' awareness of the concept of information ethics and the rules of safe use of the Internet.
- Collects data and presents it in an interesting way.
- Specifies how ICT tools can help make his school more inclusive
- Discuss different scenarios/contexts and choose the appropriate computer and network devices
- Discusses how future technology can improve the education sector and daily life
- Discuss Aspects of the experience of users of advanced technology and artificial intelligence.
- Shares his ideas for developing the latest assistive technology product.
- Provides suggestions on how mobile devices can support the learning process
- Innovates an idea to create a website that promotes An advanced product in its category Assistive technology

**Teacher**

**Supervisor**

**School Principal**



# The specific objectives of computer and information technology

- Identifies how ICT tools can help make my school more inclusive.
- Searches for websites with static and dynamic designs.
- Describe the role of t information and communications technology in helping others.
- Describe Components of a computer network.
- Describes how network devices work.
- Explain The following terms: virtual and augmented reality and artificial intelligence
- Give Examples of virtual and augmented reality and artificial intelligence.
- Discusses aspects of the user experience of advanced technology.
- Shares his ideas for developing the latest assistive technology product.
- Evaluate the most advanced proposed technological product
- Uses keyboard shortcuts such as copy, cut, and paste to process text.
- Differentiates between database, library and online searches.
- Determine the most effective search tool for a specific goal
- Identify common features in mobile devices. .
- Offers suggestions on how mobile devices can support learning.
- Describes how mobile devices can improve the lives of people of determination.
- Explain what an operating system is.
- Compare the most common computer operating systems and mobile phone operating systems
- Identify my device operating systems and discuss the HTML programming language
- Writes Markup language code for basic parts of a web page
- Specifies Some components of the markup language of a web page
- Innovates An idea to create a website that promotes An advanced product in its category Assistive technology
- Identify ways in which remote sensing technology can help his governorate.
- Discusses the Risks of electronic games
- Explains ways to avoid the dangers of electronic games
- Specifies The impact of electronic games on his health and explains ways to deal with this through family care
- Identify the different features that can be used to protect data
- Known Cyber security concept
- Creates a plan to deal safely with the Internet
- Discuss cybersecurity issues
- Explain what copyright is and why it is important
- Discuss the concept of electronic financial trading
- Explains Cloud computing concept
- Specifies Pros and cons of using cloud computing
- Discusses the The role of cloud computing in file storage
- Discuss the characteristics of valuable or reliable sources
- Explain the importance of evaluating sources
- Evaluate the resources he finds on the Internet.

**Teacher**

**Supervisor**

**School Principal**



# Distribution of the content of computer, Information Technology and communication

## For the 6<sup>th</sup> primary grade – First term for year 2024-2025

Week		Lessons	Content
<b>First Axis: The role of information and communications technology in our lives</b>			
1		1	Explorer in Action
		2	Computer network devices
2		3	Technology and artificial intelligence (AI)
3		4	Evaluating cutting – edge technology
4		5	Digital research skills
5		6	Mobile devices
		7	Operating system
6		8	Website design
7		<b>General Review on Axis One</b>	
<b>Second Axis: Digital security and safety precautions</b>			
8		1	Explorer in Action
		2	How to deal with electronic games
9		3	Protecting yourself from digital theft
10		4	Cyber security
11		5	Copyright and electronic financial trading
12		6	Cloud storage of files
13		7	Cloud computing applications
14		<b>General Review on Axis One</b>	
15		<b>First semester's projects</b>	

Teacher

Supervisor

School Principal



# THEME 1 Role of Information and Communication Technology (ICT) in our lives

Essential Question: How can we use ICT tools to help keep up with current developments?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
LESSON 1 Explorer in Action	<ul style="list-style-type: none"><li>• How computer software can be used</li><li>• Plan a website</li></ul>	Learning to know: problem solving; creativity	Work values: perseverance Personal values: independence	Globalization issues: entrepreneurship Discrimination issues: discrimination against people with special needs
LESSON 2 Computer network devices	<ul style="list-style-type: none"><li>• The different elements used in a computer network</li><li>• How computers and digital devices connect</li></ul>	Learning to know: problem solving Learning to be: communication	Scientific values: objectivity	Globalization issues: technological awareness
LESSON 3 Technology and artificial intelligence (AI)	<ul style="list-style-type: none"><li>• What virtual reality, augmented reality, and artificial intelligence are</li><li>• How technologies can improve people's lives</li></ul>	Learning to know: creativity; problem solving	Scientific values: objectivity	Globalization issues: entrepreneurship
LESSON 4 Evaluating cutting-edge technology	<ul style="list-style-type: none"><li>• What assistive technology is</li><li>• How cutting-edge technology can be used in society</li></ul>	Learning to know: problem solving Learning to do: co-operation	Personal values: independence Work values: perseverance	Citizenship issues: awareness of rights and duties Discrimination issues: discrimination against people with special needs Globalization issues: technological awareness
LESSON 5 Digital research skills	<ul style="list-style-type: none"><li>• Using digital search tools</li><li>• Types of digital search tools</li></ul>	Learning to know: problem solving Learning to be: sharing	Work values: perseverance; co-operation	Discrimination issues: discrimination against people with special needs Globalization issues: technological awareness
LESSON 6 Mobile devices	<ul style="list-style-type: none"><li>• Features of mobile devices</li><li>• How smartphones can help people</li></ul>	Learning to know: problem solving	Personal values: independence	Citizenship issues: awareness of rights and duties Globalization issues: civilizational communication
LESSON 7 Operating systems	<ul style="list-style-type: none"><li>• Types of mobile operating systems</li><li>• What HTML is</li></ul>	Learning to know: problem solving Learning to do: co-operation	Work values: perseverance	Globalization issues: technological awareness
LESSON 8 Website design	<ul style="list-style-type: none"><li>• What HTML tags are</li><li>• Using HTML on a webpage</li></ul>	Learning to know: creativity; problem solving	Personal values: independence Work values: persistence	Globalization issues: technological awareness; entrepreneurship



## THEME 2 Digital safety and security precautions

Essential Question: How can we use ICT tools safely?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
LESSON 1 Explorer in Action	<ul style="list-style-type: none"><li>• How Remote Sensing can be used</li><li>• Design an application</li></ul>	<b>Learning to know:</b> problem solving <b>Learning to do:</b> decision making	<b>Scientific values:</b> objectivity <b>Work values:</b> perseverance	Globalization issues: technological awareness; digital citizenship
LESSON 2 How to deal with electronic games	<ul style="list-style-type: none"><li>• The dangers of electronic games</li><li>• The impact of electronic games on my health</li></ul>	<b>Learning to know:</b> problem solving <b>Learning to live:</b> self-management	<b>Personal values:</b> independence	Citizenship issues: awareness of rights and duties  Health and population issues: preventive health
LESSON 3 Protecting yourself from digital theft	<ul style="list-style-type: none"><li>• Ways to protect your devices</li><li>• Why companies need to protect their data</li></ul>	<b>Learning to know:</b> problem solving <b>Learning to live:</b> self-management	<b>Scientific values:</b> objectivity <b>Personal values:</b> independence <b>Work values:</b> co-operation	Globalization issues: technological awareness
LESSON 4 Cyber security	<ul style="list-style-type: none"><li>• How to be safe online</li><li>• Types of cyber security threats</li></ul>	<b>Learning to live:</b> self-management <b>Learning to do:</b> decision making	<b>Personal values:</b> independence <b>Work values:</b> perseverance	Globalization issues: technological awareness; digital citizenship
LESSON 5 Copyright and electronic financial trading	<ul style="list-style-type: none"><li>• What copyright is</li><li>• What electronic financial trading is</li></ul>	<b>Learning to live:</b> self-management	<b>Personal values:</b> independence <b>Work values:</b> co-operation	Globalization issues: technological awareness; digital citizenship
LESSON 6 Cloud storage of files	<ul style="list-style-type: none"><li>• What cloud computing is</li><li>• Storing files on cloud</li></ul>	<b>Learning to do:</b> decision making	<b>Personal values:</b> independence; participation	Globalization issues: technological awareness
LESSON 7 Cloud computing applications	<ul style="list-style-type: none"><li>• Examples of cloud computing applications</li><li>• The features of different cloud computing applications</li></ul>	<b>Learning to live:</b> self-management <b>Learning to do:</b> decision making	<b>Personal values:</b> independence <b>Work values:</b> collaboration	Globalization issues: technological awareness

Date						
Class						
Session						



**Axis** .....  
**Lesson** ..... :

## **Lesson objectives: By the end of this lesson the student will be able to:**

.....

**Strategy:** .....

**Teaching aids:** .....

## Warm Up :

# Lesson Presentation

**Evaluation:**.....